



U.S. Department of Energy

0056133

P.O. Box 450
Richland, Washington 99352

00-OSD-174

DEC 18 2000

Mr. Michael A. Wilson, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
P.O. Box 47600
Olympia, Washington 98504

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JAN 23 2002
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Dear Mr. Wilson:

**RESUBMITTAL OF ADMINISTRATIVE ORDERS NO. 00NWPKW-1250 AND
NO. 00NWPKW-1251 ACTION I.A**

- References:
1. Ecology Letter from R. W. Wilson to H. L. Boston, ORP, and M. P. DeLozier, CHG, "Requirements of the Washington State Department of Ecology's Administrative Orders #00NWPKW-1250 and #00NWPKW-1251," dated November 2, 2000.
 2. ORP Letter from C. E. Clark to M. A. Wilson, Ecology, "Transmittal of Reports Requested Under Administrative Orders No. 00NWPKW-1250 and No. 00NWPKW-1251," 00-OSD-108, dated September 18, 2000.
 3. Administrative Order, D. Silver, Ecology, to K. A. Klein, RL, R. T. French, ORP, and M. P. DeLozier, CHG, "Failure to Comply with Major Milestone M-32 of the Tri-Party Agreement; Administrative Order No. United States Department of Energy 00NWPKW-1250," dated June 13, 2000.
 4. Administrative Order, D. Silver, Ecology, to K. A. Klein, RL, R. T. French, ORP, and M. P. DeLozier, CHG, "Failure to Comply with Major Milestone M-32 of the Tri-Party Agreement; Administrative Order No. United States Department of Energy 00NWPKW-1251," dated June 13, 2000.

Reference 1 identifies eight deficiencies in the September 18, 2000, submittal (Reference 2) and requires resubmittal of Action 1.A by December 18, 2000, to address the deficiencies.

Attachment 1 summarizes the deficiencies listed in Reference 1 and the Department of Energy (DOE), Office of River Protection (ORP) responses to resolve those issues. Attachment 2 is the resubmittal of Action 1.A.

We regret that the original submittal did not meet the State of Washington Department of Ecology's (Ecology) expectations. Corrective actions have been taken to prevent recurrence. These include briefing your staff on the proposed format and content of deliverables well in

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advance of the due date to determine whether our approach will meet your expectations. We understand that these briefings are a courtesy, that issues may arise during detailed review of the deliverable, and that Ecology's final position will be documented in its written response to the deliverable. However, we appreciate the opportunity to increase the likelihood that our deliverables will meet your expectations.

Without waiving DOE's rights under the appeal of the referenced Administrative Orders, the resubmittal report for Action 1.A is attached. If you have any questions, please contact me, or your staff may contact Russell G. Harwood, ORP Operations Program Division, (509) 376-2348.

Sincerely,



Clifford E. Clark, Acting Program Manager
Office of Regulatory Liaison

OSD:RGH

Attachments (2)

cc: W. Burke, CTUIR
P. Sobotta, NPT
R. Jim, YN
M. P. DeLozier, CHG
M. J. Riess, CHG
R. F. Stanley, Ecology
J. S. Hertzel, FHI
M. B. Reeves, HAB
M. L. Blazek, Oregon Energy
C. E. Clark, RL
K. A. Klein, RL
H. R. Rodriguez, RL
Administrative Record

Attachment 1

Department of Energy, Office of River Protection (ORP) Responses to Deficiencies to Action 1.A.

The list of deficiencies and corresponding location in the Action 1.A re-submittal addressing each deficiency is identified below:

Deficiency:

Incomplete description of all transfer lines within the Double-Shell Tank (DST) System, as depicted in maps and listed by equipment number in tabular equipment listings.

Response:

See Figures 1 and 2, and Tables 8, 9, and 10 of the enclosure.

Deficiency:

Failure to identify in maps and narrative descriptions of the DST System sufficient to determine the exact boundary interface between the DST System and other waste or supply systems (i.e., identify by equipment component number, description and location where the DST System interfaces with any other system, such as the single-shell tank system, water supply system, etc.).

Response:

See Figures 1 and 2, and Tables 6, 7, 8, 9, and 10 of the enclosure.

Deficiency:

Incomplete equipment category listings (i.e., vent stations, catch tanks, valve pits, diversion boxes, etc).

Response:

See Tables 8, 9, and 10 of the enclosure.

Deficiency:

The DST System description did not state which water supply systems (i.e., flush water supply systems, raw water supply systems, hot water supply systems) are part of the DST System and which are not (i.e., by equipment component number, description and location; for example, the last back-flow valve isolating waste systems from water supply systems).

Response:

See Table 7 of the enclosure.

Deficiency:

The numbering system in use for all DST components did not include definition of all acronyms.

Response:

See acronym, abbreviation, and property identification lists on pages 1 through 3 of the enclosure.

Deficiency:

Minor ancillary equipment associated with the DST Transfer System (e.g., seal pots, clean-out boxes) were not included in the DST System description, either in narrative, or by listing them individually.

Response:

See the DST Tank System Description on pages 4 through 6 of the enclosure.

Deficiency:

Pump pits and transfer lines that are components of the double-shell tanks were not described, either in narrative, or by listing each component individually.

Response:

Attachment 1

Department of Energy, Office of River Protection (ORP) Responses to Deficiencies to Action 1.A.

See the DST Tank System Description on pages 4 through 6, Figures 1 and 2, and Tables 6,8, and 9.

Deficiency:

General descriptions of DST System boundaries stated there were exceptions; however, all exceptions from general descriptions were not provided.

Response:

See the DST System Description on pages 4-6 of the enclosure, and Table 10.

RESPONSE TO ITEM 1.A OF ADMINISTRATIVE ORDERS

00NWPKW-1250 AND 00NWPKW-1251

December 7, 2000

ACRONYM LIST

Acronym:	Definition:
COB	Clean-Out Box
DCRT	Double-Contained Receiver Tank
DST	Double-Shell Tank
OB	Operations Building
PFP	Plutonium Finishing Plant
PUREX	Plutonium-Uranium Extraction Facility
PW	Process Waste
SL	Slurry Line
SLL	Slurry Line
SNL	Supernatant Line

ABBREVIATIONS

Abbreviation:

BFP
COT
CS
CVP
DB
DF
DLS
DR
DS
ELDP
ENC
FP
LDE
LDP
LP
LS
POP
PP
R
RT
RTV
RV
SB
SMP
SP
STB
TB
TF
TL
TS
VL
VP
VS
WT
WTL
WUS

Definition:

Back Flow Preventer
Condensate Tank
Catch Station
Condensate Valve Pit
Diversion Box
Decontamination Facility
Drainage Lift Station
Drain
Diverter Station
Electrical Leak Detection Probe
Encasement
Flush Pit
Leak Detection Element
Leak Detection Pit
Leak Pit
Lift Station
Pump-Out Pit
Pump Pit
Receiver
Receiver Tank
Receiver Tank Vault
Receiver Vault
Service Building
Sump
Service Pit
Sluice Transfer Box
Transfer Box
Tank Farm
Transfer Lines
Transfer Station
Vent Line
Valve Pit
Vent Station
Waste Transfer
Waste Transfer Line
Waste Unloading Station

**PROPERTY UNIT IDENTIFICATION LIST
(PROPERTY ACCOUNTING DESIGNATION)**

A (e.g., 241-A or 241-A-302B)
AN (e.g., 241-AN or 241-AN-A)
AP (e.g., 241-AP)
AR (e.g., 204-AR Vault or 241-AR-151)
AW (e.g., 241-AW or 241-AW-A)
AX (e.g., 241-AX or 241-AX-B)
AY (e.g., 241-AY or 241-AY-501)
AZ (e.g., 241-AZ or 241-AZ-02F)
B (e.g., 241-B)
BX (e.g., 241-BX)
BXR (e.g., 244-BXR Vault)
BY (e.g., 241-BY)
BYR (e.g., 241-BYR-152)
C (e.g., 241-C or 241-C-06A)
CR (e.g., 244-CR-3)
ER (e.g., 241-ER-153)
EW (e.g., 241-EW-151)
F (e.g., F 719)
G (e.g., G057)
HSW (e.g., HSW-202)
L (e.g., L-16)
M (e.g., M-044)
N (e.g., 244-BX, N)
R (e.g., R165)
S (e.g., 241-S or S-501)
SX (e.g., 241-S)
SY (e.g., 241-SY or 241-SY-A)
T (e.g., 241-T or 4611 T)
TA (e.g., 242-TA-R1)
TX (e.g., 244-TX)
TY (e.g., 241-TY)
U (e.g., 241-U or U-13)
UX (e.g., 244-UX-154)
UR (e.g., 241-UR-151)
V (e.g., V224 or 6241-V)
W (e.g., 200-W-7)
WS (e.g., 209-E-WS-3)

DOUBLE-SHELL TANK SYSTEM DESCRIPTIONS

The tanks that are to be permitted are located in or associated with the following Tank Farms: 241-AN, 241-AP, 241-AW, 241-AY, 241-AZ, and 241-SY. The specific tanks that are to be considered for permitting are listed in Table 1. The remaining tables are intended to represent the ancillary equipment for the Double-Shell Tank (DST) system that has been, or may be, used for transferring, storing, or treating waste.

The DST system facilities start with the first diversion box/valve pit leaving the generating unit. A generating unit is defined as any facility or tank system that manages or has managed mixed or dangerous waste (e.g., Single-Shell Tank [SST], B-Plant...). The piping from the generating unit to the first diversion box/valve pit belongs to the generating unit. Exceptions to this rule, include those lines associated with the 219-S/222-S Laboratory, 242-A Evaporator, PUREX and the Plutonium Finishing Plant (PFP), whereby operational boundaries have been defined to start with the pipe as it exits those facilities. Further consideration was given to other system components that are shared (both in the past and present) by the DST and SST systems and by DST and other non-SST facilities. System components used to define the DST boundary are located in Table 6 (DST/SST Facility Equipment List) and Figures 1 and 2 (Piping Flow Diagrams), located on pages 33 and 34.

Based on the above definition the following components were used for defining the DST system boundary.

Flush Pits

The components for pipeline back flushing and decontamination operations are located in flush pits. In-line back flow preventers protect the flush pit system from contamination due to mixed waste back flowing into the flushing system. (See Tables 6 and 7 for details)

Service Pits

Most of the DST farms have service pits. These pits were designed to provide raw water for flushing of transfer lines. Service pits vary in size and shape ranging from round corrugated pipe to rectangular shaped concrete structures. Each pit typically contains a leak detector on the pit floor and a radiation detector. Some also contain a flow meter on the waterline and/or a level detector. The only potential source for contamination in service pits is the floor drain. In-line back flow preventers protect the service pit system from contamination due to mixed waste back flowing into the service system. (See Table 7)

Catch Tanks

A catch tank is an underground storage tank used to collect small amounts of waste drained from diversion boxes, catch stations, valve pits, transfer lines, and other DST system tanks. The output from a catch tank is routed through the adjacent diversion boxes via a permanent, underground pumpout line. A water jet pump is installed in the catch tank pump pit. Catch tank liquid is piped through a pumpout jumper and the pumpout line to the associated tank. Each catch tank is equipped with a liquid-level sensor and a pump pit leak detector. (See Tables 2 and 6 for detail and Figures 1 and 2)

Double-Contained Receiver Tanks

There are four Double-Contained Receiver Tanks (DCRTs) included in the DST system, 244-S DCRT, 244-A DCRT, 244-TX DCRT, and 244-BX. The DCRT systems function as small capacity (nominal 16,000 to 31,000 gallons), short-term waste holdup stations that consist of a receiver tank (primary containment) and ancillary equipment and piping. At Hanford, the terms "lift station" and "DCRT" have been used synonymously with "catch station." Each station consists of an underground concrete structure which contains a vault (secondary containment) in which the receiver tank is installed, a pump pit (secondary containment), and other process pits that do not process or store liquid waste. The air space

between the steel tank and the concrete vault is the annulus. (See Tables 3 and 6 for detail & Figures 1 and 2)

Diverter Stations

A diverter station is a diversion box that connects a common transfer line to each of several other lines one at a time. The 241-AX-152 diverter station is the only active diverter station in the DST system. Connecting nozzles are arranged in a semicircle about the common nozzle. The purpose of the diverter station is to allow the transfer of the one incoming stream to different outlets without having to change jumpers. Diverter installations operate by routing the incoming waste transfer line into a small, 50-gallon receiver tank. A movable spout is located on the bottom of the tank and directs the flow of waste from the tank. The movable spout can be rotated and connected to any one of several exit pipe nozzles located within the station. Routing changes at a diverter station can be made without removing the cover block. A crank hoist is mounted on top of the cover block and is used to raise and lower the diverter operator so the spout can be turned and connected to the correct nozzle. All diversion boxes, valve pits, and diverter stations are drained either to a catch tank or to a nearby DCRT or DST and all diversion boxes, valve pits, and diverter stations contain a leak detector probe that alarms if a leak occurs. (See Table 6 for detail and Figures 1 and 2)

Diversion Boxes

Diversion Boxes provide the same function as the diverter station but differ in the following manner; transfer lines are connected in the diversion box by installing a jumper between the connecting nozzles. Jumpers either can be fixed or flexible. Jumper installation or removal can be a complex operation for which a crane is required to remove and replace the cover block and to raise and lower the jumper from and into the diversion box. (See Table 6 for detail and Figures 1 and 2)

Valve Pits

Valve pits are located below ground and are reinforced concrete structures that contain valve and jumper assemblies to route the liquid waste through the connected pipelines within a tank farm. Heavy, thick grade-level blocks cover each of the valve pits. When several tanks are undergoing simultaneous pumping to a single receiver tank, the flow is routed to a valve pit. In the valve pit, the transfer lines of the sending tank are manifolded to the receiver tank line by means of a series of valves and jumper connections. Two- and three-way valves are built into each rigid jumper assembly to divert the flow in the required direction. Waste also can be routed through the valve pit with stainless steel flex jumpers. Each valve pit is equipped with a leak detector that is interlocked to shut down pumps. Each valve pit also has either a flush line connected to a flush pit or a drain line connected to an underground storage tank. (See Table 6 for detail & Figures 1 and 2)

Clean-Out Boxes

Clean-out boxes (COBs) are positioned approximately every 100 feet along the slurry transfer lines between the evaporator facilities, valve pits, and storage tanks. The COBs were installed so that transfer lines could be cleaned if plugs develop. (See Tables 5 and 6 for detail).

New Cross Site Transfer Lines

The replacement cross-site transfer system (RCSTS) is a buried pipe-in-pipe system approximately 6.5 miles long. The primary piping is 3-in. stainless steel. The encasement piping is 6-inch carbon steel and 12-inch carbon steel at the expansion loops, with epoxy coating to minimize external corrosion. The primary piping is designed in accordance with the requirements of ANSI/ASME B31.3.

The 241-SY-A and 241-SY-B valve pits in the 200 West Area are connected with the 244-A lift station in the 200 East Area by the RCSTS. Liquid waste can be transferred in either direction between the 200 East and 200 West Areas through one of the two RCSTS lines, using existing transfer pumps. The other RCSTS

line is designed to transfer waste with as much as 30 volume percent solids from the 200 West Area to the 200 East Area, using existing tank farm transfer pumps and the RCSTS booster pumps. The RCSTS provides one line each to the 241-SY-A and 241-SY-B valve pits in the 200 West Area. These buried lines follow a single construction trench to a new diversion box, also located in the 200 West Area (the 6241-A diversion box). Two booster pumps are connected to one of the lines in this diversion box.

From the 6241-A diversion box, the lines travel to another new structure at the high point of the route, the 6241-V vent station, located in the 600 Area, between the 200 East and 200 West Areas. Each transfer line has a vent at the high point that allows air to be introduced into the line so that the line can drain after waste transfers are completed.

The transfer lines continue on to the 244-A lift station in the 200 East Area. The lines are connected to new nozzles that were installed in the lift station wall. (See Figures 1 and 2 for detail)

DST System Transfer Lines

There are two types of encased transfer lines in the DST system. Older lines use a pipe(s)-in-concrete design. Safety features associated with the encased lines include an earth cover and a series of swab risers. The risers consist of 2-inch pipes extending from within the enclosure to 36 inches above ground level. If a leak were to occur in the primary (inside) line, the leak would collect in the concrete void. The leak would be detected by inserting an absorbent pad into a 2-inch test riser pipe extending from the enclosure to the surface. If a leak had occurred, the pad would come up wet and/or contaminated. Further action would be taken to confirm the leak. Leak waste solutions also would flow to the process pit at the low end of the transfer line, where a leak detector is located on the floor of the box.

More recent encasement line designs surround the primary pipe with a second pipe. There are instances however, in which the secondary encasement is flange-connected to the outer pit wall, and the enclosure does not penetrate this wall. This design provides better leak containment than concrete, and it is possible to pressure test the encasements either through test risers or by entry into pits and connection of the pressure test assembly to the encasement drain line. The pipe-in-pipe encasement usually drains to a leak detector that triggers an alarm if a leak occurs.

Direct buried transfer lines are also used to transfer waste between the tank farms. The number of active direct buried lines is minimal in comparison to the number of active encased transfer lines. These lines must be pressure tested before being placed in service and annually when in use.

Current operating practice does not allow acid waste to be transferred in pipelines with carbon steel encasement. This decision was based on the premise that if a leak occurred, the carbon steel encasement could quickly corrode and possibly release effluent to the environment (see Figures 1 and 2 for detail).

Use of Tables 1 through 10, and Figures 1 and 2, for defining the current DST boundary

Tables 1 through 5 provide a current DST system inventory for the respective equipment category. All equipment categories will be considered for permitting pursuant to the DST system RCRA Part B Permit Application.

Table 6 has two functions:

- 1) An updated equipment list for the DST system which includes, at a minimum, the contents of Tables 1 through 4 and;
- 2) Depicts specific boundary points between the DST and SST systems as well as the DST system and other facilities, i.e., in Table 6 (page 12) this indicates that the 241-AX-151 diversion box (DB) is a boundary point between the 241-AX tank farm (SST) and the 241-AY tank farm (DST). More specifically it defines the connection or interface between the DST and SST systems in the following way: "From nozzle L2 at G Cell (at 241-AX-151 SST) through Line 4020 to 241-AY-151 (DST)". The reviewer will need to refer to the 200 East Routing Map and 200 West Routing Board for a fuller understanding of the system boundary.

Table 7 has two functions:

- 1) An updated list of service pits, flush pits, seal pots and back flow preventers (BFP) for each DST tank farm and ;
- 2) Defines the boundary point between each tank farm and the associated raw water supply as being at the BFP.

Table 8 is a complete inventory of DST system transfer lines (by farm) and associated end points. Please note that the piping diagrams (Figures 1 and 2) do not include a vast majority of the transfer lines listed. For a fuller understanding of the DST system transfer line layout, it is recommended that the 200 East Router Board Map and the 200 West Router board be used in conjunction with Table 8.

Table 9 is an inventory of the new DST system transfers lines added as a result of the various upgrade projects. Please note that due to aggressive construction schedules this list can easily become out dated.

Table 10 is the inventory of DST lines coming from PUREX, the 219-S/222-S Laboratory, 242-A Evaporator and T-Plant. These four facilities are excepted or partially excepted from the boundary definition provided on page 5. All lines in Table 10 become DST system lines as they exit their respective facility.

The 200 East and 200 West Piping Flow diagrams (Figures 1 and 2) show a general boundary relationship between the DST system and the SST system. In addition, the general boundary relationship between the DST system and other facilities is also depicted. Anywhere in the figures where a thin line and a thick line intersects, it defines a boundary between the DST and SST system/or other facility. The specific boundary point can then be found in the tables described above.

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 1. Tanks in Double-Shell Tank System

Tank Number	Location	Design Capacity (gallons)	Operation Date
Million-Gallon Double-Shell Tanks (Nonaging Waste)			
241-AN-101	200 East Area	1,200,000	09/81
241-AN-102	200 East Area	1,200,000	09/81
241-AN-103	200 East Area	1,200,000	09/81
241-AN-104	200 East Area	1,200,000	09/81
241-AN-105	200 East Area	1,200,000	09/81
241-AN-106	200 East Area	1,200,000	09/81
241-AN-107	200 East Area	1,200,000	09/81
241-AP-101	200 East Area	1,200,000	10/86
241-AP-102	200 East Area	1,200,000	10/86
241-AP-103	200 East Area	1,200,000	10/86
241-AP-104	200 East Area	1,200,000	10/86
241-AP-105	200 East Area	1,200,000	10/86
241-AP-106	200 East Area	1,200,000	10/86
241-AP-107	200 East Area	1,200,000	10/86
241-AP-108	200 East Area	1,200,000	10/86
241-AW-101	200 East Area	1,200,000	08/80
241-AW-102	200 East Area	1,200,000	08/80
241-AW-103	200 East Area	1,200,000	08/80
241-AW-104	200 East Area	1,200,000	08/80
241-AW-105	200 East Area	1,200,000	08/80
241-AW-106	200 East Area	1,200,000	08/80
241-SY-101	200 West Area	1,200,000	04/77
241-SY-102	200 West Area	1,200,000	04/77
241-SY-103	200 West Area	1,200,000	04/77
Million-Gallon Double-Shell Tanks (Aging Waste)			
241-AY-101	200 East Area	1,000,000	04/71
241-AY-102	200 East Area	1,000,000	04/71 (estimated)
241-AZ-101	200 East Area	1,000,000	11/76
241-AZ-102	200 East Area	1,000,000	11/76
Waste Unloading Station			
204-AR	200 East Area	8,750	02/88

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 2 Catch Tanks

Tank Number	Location	Design Capacity (gallons)
241-A-302	200 East	8,486
241-A-417	200 East	44,087
241-AX-152	200 East	8,800
241-AZ-151	200 East	11,900
241-AZ-154	200 East	867
241-A-302B	200 East	17,684
241-ER-311	200 East	17,684
241-EW-151	600 Area	800
241-S-302A	200 West	17,684
241-S-304	200 West	6,300
241-TX 302 C	200 West	17,684
241-U-301B	200 West	36,000
241-A-350	200 East	760
241-UX-302A	200 West	17,684

Table 3 Double-Contained Receiver Tanks

Tank Number	Location	Design Capacity (gallons)
244-S	200 West	20,280
244-A	200 East	16,280
244-TX	200 West	31,000
244-BX	200 East	31,500

Table 4 Vent Stations

Tank Number	Location	Design Capacity (gallons)
241-EW-151	600 Area	800 gal
6241-V	600 Area	10,700 gal

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 5 Clean-out Boxes and Transfer Lines

Tank Farm	Clean-out Box	On Line	Line of Drain
241-AN	1,3,5 2,4,6 7 8 9	SL-160 SN-260 SL-161 SL-164 SL-167	SN-260 SL-160 SN-261 SN-264 SN-267
241-AW	1 2,4,6,8 3,5,7 9 10 11,12,A-30	SL-168 SL-167 SL-168 SL-165 SL-166 10-in. DR-334	SN-270 SN-269 SN-219 SN-265 SN-266 10-in. DR-335
241-AY	1	SL-502	DR-700
241-AZ	1,3,5,7,9 2,4,6,8,10	SN-600 SL-500	SL-500 SN-600
241-A	A-10 A-11 A-12 A-13	SL-101 SL-100 SL-101 SL-100	DR-301/315/317 DR-301/317 DR-318/314 DR-349/314
241-AX	AX-14 AX-15 AX-16 AX-17 AX-18 AX-19 AX-20 AX-24 AX-25	SL-101 SL-100 SL-101 SL-100 SL-101 SL-100 SL-101 SL-108 SL-108	DR-317/301 DR-320/314 DR-314/321 DR-314/322 DR-323/314 DR-329/314 DR-347/325 DR-330/325 DR-348/333/325
241-SY	1,3,5 2,4,6	SL-175 SL-176	DR-375 DR-375

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 6 Equipment List DST/SST Boundary

Site Name	Other Site Names Used	Site Type	DST/SST Boundary
200-W-7	246-L, 243S-TK-1, 243-S-TK1	CT	N/A
204-AR	204-AR Waste Unloading Station	WUS	**
209-E-WS-3	209-E-WS-3 Critical Mass Laboratory Valve Pit	VP	N/A
241-W-151	241-W-151 Vault	VP	N/A
240-S-151	240-S-151 Diversion Box	DB	N/A
240-S-152	240-S-152 Diversion Box	DB	N/A
240-S-302	241-S-302 Catch Tank	CT	N/A
241-A-151	241-A-151 Diversion Box	DB	**
241-A-151	241-A-151 Diversion Box	DB	*From 241-A-151 DB line V004/N-22 to 241-A-152 DB N-2
241-A-151	241-A-151 Diversion Box	DB	*From 241-A-151 DB line V005/N-21 to 241-A-152 DB N-8
241-A-151	241-A-151 Diversion Box	DB	*From 241-A-151 DB line V006/N-20 to 241-A-152 DB N-4
241-A-151	241-A-151 Diversion Box	DB	*From 241-A-151 DB line 1 of V007/N-19 to 241-A-152 DB N-6
241-A-151	241-A-151 Diversion Box	DB	*From 241-A-151 DB line 2 of V007/N-18 to 241-A-152 DB N-6
241-A-151	241-A-151 Diversion Box	DB	*From 241-A-151 DB line 3 of V007/N-17 to 241-A-152 DB N-6
241-A-151	241-A-151 Diversion Box	DB	*From 241-A-151 DB line 1 of V008/N-16 to 241-A-152 DB N-10
241-A-151	241-A-151 Diversion Box	DB	*From 241-A-151 DB line 2 of V008/N-15 to 241-A-152 DB N-10
241-A-151	241-A-151 Diversion Box	DB	*From 241-A-151 DB line 3 of V008/N-14 to 241-A-152 DB N-10
241-A-152	241-A-152 Diversion Box	DB	N/A
241-A-153	241-A-153 Diversion Box, 241-A-153 Transfer Station	DB	N/A
241-A-302A	241-A-302-A Catch Tank	CT	**
241-A-302B	241-A-302-B Catch Tank	CT	**
241-A-350	241-A-350 Catch Tank, 241-A-350 Drainage Lift Station	CT	**
241-A-417	241-A-417 Catch Tank	CT	**
241-A-A	241-A-A Diversion Box, 241-A-A Structural Valve Pit	VP	*** From PUREX through line 4004 to VP at nozzle L 12
241-A-B	241-A-B Diversion Box, 241-A-B Structural Valve Pit	Valve Pit	*** From PUREX through line 4001 to VP at nozzle R 12
241-AN-101	241-AN-TK-101	DST	**
241-AN-102	241-AN-TK-102	DST	**

*DST/SST boundary point; Component(s) shared by both systems

**Considered DST component(s) only

***DST/Other Facility boundary point; Component(s) shared by both systems

N/A Considered SST and/or other facility component(s) only

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 6 Equipment List DST/SST Boundary

Site Name	Other Site Names Used	Site Type	DST/SST Boundary
241-AN-103	241-AN-TK-103	DST	**
241-AN-104	241-AN-TK-104	DST	**
241-AN-105	241-AN-TK-105	DST	**
241-AN-106	241-AN-TK-106	DST	**
241-AN-107	241-AN-TK-107	DST	**
241-AN-A	241-AN-A Valve Pit	DST	**
241-AN-B	241-AN-B Valve Pit	VP	**
241-AP Valve Pit	No other names known	VP	**
241-AP-101	241-AP-TK-101	DST	**
241-AP-102	241-AP-TK-102	DST	**
241-AP-103	241-AP-TK-103	DST	**
241-AP-104	241-AP-TK-104	DST	**
241-AP-105	241-AP-TK-105	DST	**
241-AP-106	241-AP-TK-106	DST	**
241-AP-107	241-AP-TK-107	DST	**
241-AP-108	241-AP-TK-108	DST	**
241-AR-151	241-AR-151 Diversion Box	DB	*From 241-AR-151 diversion box, line V-718/817, nozzle 10 to 244-AR vault, nozzle T-15
241-AR-151	241-AR-151 Diversion Box	DB	***From 241-AR-151 diversion box, line V-714, nozzle N-2 to PUREX at nozzle F-16
241-AW-101	241-AW-TK-101	DST	**
241-AW-102	241-AW-TK-102	DST	**
241-AW-103	241-AW-TK-103	DST	**
241-AW-104	241-AW-TK-104	DST	**
241-AW-105	241-AW-TK-105	DST	**
241-AW-106	241-AW-TK-106	DST	**
241-AW-A	241-AW-A Valve Pit, 241-AW-A Diversion Box	VP	**
241-AW-B	241-AW-B Valve Pit, 241-AW-B Diversion Box	VP	**
241-AX-151	241-AX-151 Diversion Box, 241-AX-151 Diverter Station	DB	**
241-AX-152 Catch Tank	No other names known	CT/PP	*From catch tank line 4021 to 241-AX-103 (SST tank) *From catch tank line 4022 to 241-AX-151
241-AX-152 Diversion Box	241-AX-152 Diversion Box, 241-AX-152 Diverter Station	DB	*From line 4030/nozzle B at DB to 241-AX-152 CT/PP
241-AX-152	241-AX-152 Diversion Box	DB	***4017/nozzle B to PUREX line 4003/T037
241-AX-155	241-AX-155 Diversion Box	DB	*** From line V 714/nozzle 10 at DB through 241-AR-151 to PUREX (nozzle F-10)
241-AX-501	241-AX-501 Valve Pit, 241-AX-501 CVP	VP	**

*DST/SST boundary point; Component(s) shared by both systems

**Considered DST component(s) only

***DST/Other Facility boundary point; Component(s) shared by both systems

N/A Considered SST and/or other facility component(s) only

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT

Table 6 Equipment List DST/SST Boundary

Site Name	Other Site Names Used	Site Type	DST/SST Boundary
241-AX-A	241-AX-A Valve Pit	VP	*SL-108/L-9 to TK 241-AX-101
241-AX-A	241-AX-A Valve Pit	VP	*SN-208/L-13 to TK 241-AX-101
241-AX-A	241-AX-A Valve Pit	VP	*SL-111/L-7 to TK 241-AX-103
241-AX-A	241-AX-A Valve Pit	VP	*SN-211/L-14 to TK 241-AX-103
241-AX-B	241-AX-B Valve Pit	VP	*SN-209/R-9 to 241-AX-102
241-AX-B	241-AX-B Valve Pit	VP	*SL-109/R-7 to 241-AX-102
241-AX-B	241-AX-B Valve Pit	VP	*SN-212/R-13 to 241-AX-104
241-AX-B	241-AX-B Valve Pit	VP	*SL-112/R-9 to 241-AX-104
241-AY-101	241-AY-TK-101	DST	**
241-AY-102	241-AY-TK-102	DST	**
241-AY-151	241-AY-151 Diversion Box, 241-AY-151 Pump-out Pit	DB	**
241-AY-152	241-AY-152 Diverter Station, 241-AY-152 Sluice Transfer Box	DB	**
241-AY-501	241-AY-501 Valve Pit, 241- AY-501 Condensate Valve Pit	VP	**
241-AZ-101	241-AZ-TK-101	DST	**
241-AZ-102	241-AZ-TK-102	DST	**
241-AZ-151 Catch Tank	241-AZ-151-CT	CT	**
241-AZ-152	241-AZ-152 Diversion Box, 241-AZ-152 Sluice Transfer Box	DB	**
241-AZ-154 Catch Tank	No other names known	CT	**
241-B-151	241-B-151 Diversion Box	DB	N/A
241-B-152	241-B-152 Diversion Box	DB	N/A
241-B-153	241-B-153 Diversion Box	DB	N/A
241-B-154	241-B-154 Diversion Box	DB	N/A
241-B-252	241-B-252 Diversion Box	DB	N/A
241-B-301	241-B-301-B Catch Tank, 241-B-301B	CT	N/A
241-B-302B	241-B-302-B Catch Tank, 241-B-302	CT	N/A
241-BR-152	241-BR-152 Diversion Box	DB	N/A
241-BX-153	241-BX-153 Diversion Box	DB	N/A
241-BX-154	241-BX-154 Diversion Box	DB	N/A
241-BX-155	241-BX-155 Diversion Box	DB	N/A
241-BX-302A	241-BX-302-A Catch Tank	CT	N/A
241-BX-302B	241-BX-302-B Catch Tank	CT	N/A
241-BX-302C	241-BX-302-C Catch Tank	CT	N/A

*DST/SST boundary point; Component(s) shared by both systems

**Considered DST component(s) only

***DST/Other Facility boundary point; Component(s) shared by both systems

N/A Considered SST and/or other facility component(s) only

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT

Table 6 Equipment List DST/SST Boundary

Site Name	Other Site Names Used	Site Type	DST/SST Boundary
241-BXR-151	241-BXR-151 Diversion Box	DB	N/A
241-BXR-152	241-BXR-152 Diversion Box	DB	N/A
241-BXR-153	241-BXR-153 Diversion Box	DB	N/A
241-BYR-152	241-BYR-152 Diversion Box	DB	N/A
241-BYR-153	241-BYR-153 Diversion Box	DB	N/A
241-BYR-154	241-BYR-154 Diversion Box	DB	N/A
241-C-151	241-C-151 Diversion Box	DB	N/A
241-C-152	241-C-152 Diversion Box	DB	N/A
241-C-153	241-C-153 Diversion Box	DB	N/A
241-C-154	241-C-154 Diversion Box	DB	N/A
241-C-252	241-C-252 Diversion Box	DB	N/A
241-C-301	241-C-301-C Catch Tank, 241-C-301C	CT	N/A
241-CR-151	241-CR-151 Diversion Box	DB	N/A
241-CR-152	241-CR-152 Diversion Box	DB	N/A
241-CR-153	241-CR-153 Diversion Box	DB	N/A
241-ER-151	241-ER-151 Diversion Box	DB	**
241-ER-152	241-ER-152 Diversion Box	DB	*** From line 224/244/nozzle 1 at DB to 221-B facility (B-Plant)
241-ER-152	241-ER-152 Valve Pit	VP	*Line 244/nozzle 2 to B-Plant
241-ER-153	241-ER-153 Diversion Box	DB	*From line V-228/nozzle 7 at DB to 241-CR-153; *From line 244/nozzle 9 at DB to 244 CR
241-ER-311	241-ER-311 Catch Tank	CT	**
241-ER-311A	241-ER-311 Catch Tank, old 241-ER-311	CT	N/A
241-EW-151	241-EW-151 Vent Station/Catch Tank, 241-EW-151 Vent Station, 200 Area East-West Vent Station	CT	**
241-S-151	241-S-151 Diversion Box	DB	**
241-S-152	241-S-152 Diversion Box	DB	N/A
241-S-302A	241-S-302-A Catch Tank	CT	**
241-S-302B	241-S-302-B Catch Tank	CT	N/A
241-S-304	241-S-304 Catch Tank	CT	**

*DST/SST boundary point; Component(s) shared by both systems

**Considered DST component(s) only

***DST/Other Facility boundary point; Component(s) shared by both systems

N/A Considered SST and/or other facility component(s) only

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT

Table 6 Equipment List DST/SST Boundary

Site Name	Other Site Names Used	Site Type	DST/SST Boundary
241-S-A	241-S-A Valve Pit	VP	*From line SN 275/nozzle L-20 to 241-SY-A valve pit (DST)
241-S-A	241-S-A Valve Pit	VP	*From line SL-120/nozzle L-9 at VP to TK-S-106
241-S-A	241-S-A Valve Pit	VP	*From line SL-119/nozzle L-7 at VP to TK-S-103
241-S-A	241-S-A Valve Pit	VP	*From line SL-140/nozzle L-5 at VP to TK-S-102
241-S-A	241-S-A Valve Pit	VP	*From line SN-220/nozzle L-16 at VP to TK-S-106
241-S-A	241-S-A Valve Pit	VP	*From line SN-219/nozzle L-15 to TK-S-103
241-S-A	241-S-A Valve Pit	VP	*From line SL-120/nozzle to TK-S-106
241-S-B	241-S-B Valve Pit,	VP	*From Line SN-276/nozzle R-20 to 241-SY-B valve pit (DST)
241-S-B	241-S-B Valve Pit	VP	*From line SL-122/nozzle R-9 at VP to TK-S-111
241-S-B	241-S-B Valve Pit	VP	*From line SL-121/nozzle R-5 at VP to TK-S-101
241-S-B	241-S-B Valve Pit	VP	*From line SL-114/139/nozzle R-3 at VP to 242-S
241-S-B	241-S-B Valve Pit	VP	*From line SN-214/nozzle R-1 at VP to TK-S-103
241-S-C	241-S-C Valve Pit	VP	*From line SN-224/nozzle L-14 at VP to TK-S-108
241-S-C	241-S-C Valve Pit	VP	*From line SN-223/nozzle L-15 at VP to TK-S-109
241-S-C	241-S-C Valve Pit	VP	*From line SN-225/nozzle L-16 at VP to TK-S-112
241-S-C	241-S-C Valve Pit	VP	*From line SL-117/nozzle L-10 at VP to 241-SX-A VP
241-S-C	241-S-C Valve Pit	VP	*From Line SL-124/nozzle L-5 at VP to TK-S-108
241-S-C	241-S-C Valve Pit	VP	*From Line SN-123/nozzle L-7 at VP to TK-S-109
241-S-C	241-S-C Valve Pit	VP	*From Line SN-125/nozzle L-9 at VP to TK-S-111
241-S-D	241-S-D Valve Pit	VP	*From line SL-128/nozzle R-9 at VP to TK-S-111
241-S-D	241-S-D Valve Pit	VP	*From line SL-127/nozzle R-7 at VP to TK-S-110
241-S-D	241-S-D Valve Pit	VP	*From line SL-226/nozzle R-14 at VP to S-107
241-SX-151	241-SX-151 Diversion Box	DB	N/A
241-SX-152	241-SX-152 Diversion Box, 241-SX-152 Transfer Box	DB	N/A

*DST/SST boundary point; Component(s) shared by both systems

**Considered DST component(s) only

***DST/Other Facility boundary point; Component(s) shared by both systems

N/A Considered SST and/or other facility component(s) only

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT

Table 6 Equipment List DST/SST Boundary

Site Name	Other Site Names Used	Site Type	DST/SST Boundary
241-SX-302	241-SX-302 Catch Tank, SX-304	CT	N/A
241-SX-A	241-SX-A Diversion Box	DB	N/A
241-SX-A	241-SX-A Valve Pit	VP	*From line SL-130/nozzle L-3 at VP to TK-SX-102
241-SX-A	241-SX-A Valve Pit	VP	*From line SN-230/nozzle L-14 at VP to TK-SX-102
241-SX-A	241-SX-A Valve Pit	VP	*From line SL-129/nozzle L-17 at VP to SX-103
241-SX-A	241-SX-A Valve Pit	VP	*From line SN-229/nozzle L-15 at VP to TK-SX-103
241-SX-A	241-SX-A Valve Pit	VP	*From Line SL-131 at VP to TK-SX-106
241-SX-A	241-SX-A Valve Pit	VP	*From Line SN-231 at VP to TK-SX-106
241-SX-B	241-SX-B Valve Pit	VP	*From line SL-137/nozzle R-5 at VP to TK-SX-101
241-SX-B	241-SX-B Valve Pit	VP	*From line SL-133/nozzle R-7 at VP to TK-SX-104
241-SX-B	241-SX-B Valve Pit	VP	*From line SN-233/nozzle R-15 at VP to SX-104
241-SX-B	241-SX-B Valve Pit	VP	*From line SL-132/nozzle R-9 at VP to TK-SX-105
241-SX-B	241-SX-B Valve Pit	VP	*From Line SN-232/nozzle R-15 at VP to TK-SX-105
241-SX-B	241-SX-B Valve Pit	VP	*From line SL-132/nozzle R-9 at VP to TK-TX-105
241-SX-B	241-SX-B Valve Pit	VP	*From Line SN-232/nozzle R-16 at VP to TK-TX-105
241-SY-101	241-SY-TK-101	DST	**
241-SY-102	241-SY-TK-102	DST	**
241-SY-103	241-SY-TK-103	DST	**
241-SY-A	241-SY-A Diversion Box, 241-SY-A Valve Pit	VP/FP	*From line SN-275/nozzle L-1 at VP/FP to valve pit 241-S-A (nozzle L-20)
241-SY-B	241-SY-B Diversion Box, 241-SY-B Valve Pit	VP/FP	*From line SN-276/nozzle R1 at VP/FP to valve pit 241-S-B (nozzle R-20)
241-T-151	241-T-151 Diversion Box	DB	N/A
241-T-152	241-T-152 Diversion Box	DB	N/A
241-T-153	241-T-153 Diversion Box	DB	N/A
241-T-252	241-T-252 Diversion Box	DB	N/A
241-T-301B	241-T-301 Catch Tank, 241-T-301-B	CT	N/A
241-T-302	No other names known	CT	N/A
241-TR-152	241-TR-152 Diversion Box	DB	N/A
241-TX-152	241-TX-152 Diversion Box	DB	**
241-TX-153	241-TX-153 Diversion Box	DB	N/A
241-TX-154	241-TX-154 Diversion Box	DB	**

*DST/SST boundary point; Component(s) shared by both systems

**Considered DST component(s) only

***DST/Other Facility boundary point; Component(s) shared by both systems

N/A Considered SST and/or other facility component(s) only

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT

Table 6 Equipment List DST/SST Boundary

Site Name	Other Site Names Used	Site Type	DST/SST Boundary
241-TX-155	241-TX-155 Diversion Box	DB	*From line V-410/nozzle N-17 at DB to 241-TX-154 (DST)
241-TX-302A	241-TX-302-A Catch Tank	CT	N/A
241-TX-302B	241-TX-302-B Catch Tank	CT	N/A
241-TX-302BR	241-TX-302BR Catch Tank, 241-TXR-302BR	CT	N/A
241-TX-302C	241-TX-302-C Catch Tank	CT	**
241-TX-302XB	241-TX-302B Catch Tank, 241-TX-302-X, 241-TX-302-X (B)	CT	N/A
241-TXR-151	241-TXR-151 Diversion Box	CT	N/A
241-TXR-152	241-TXR-152 Diversion Box	DB	N/A
241-TXR-153	241-TXR-153 Diversion Box	DB	N/A
241-TY-153	241-TY-153 Diversion Box	DB	N/A
241-TY-302A	241-TY-302-A Catch Tank	CT	N/A
241-TY-302B	241-TY-302-B Catch Tank	CT	N/A
241-U-151	241-U-151 Diversion Box	DB	**
241-U-152	241-U-152 Diversion Box	DB	*From line V-426 at 241-U-152 diversion box to 241-U-153 diversion box, nozzle 6
241-U-152	241-U-152 Diversion Box	DB	*From line V-427 at 241-U-152 diversion box to 241-U-153 diversion box, nozzle 5
241-U-152	241-U-152 Diversion Box	DB	*From line V-428 at 241-U-152 diversion box to 241-U-153 diversion box, nozzle 4
241-U-153	241-U-153 Diversion Box	DB	N/A
241-U-252	241-U-252 Diversion Box	DB	N/A
241-U-301	241-U-301B	CT	**
241-U-A	241-U-A Valve Pit	VP	N/A
241-UX-154	241-UX-154 Diversion Box	DB	N/A
241-UX-302A	241-U-302 Catch Tank, 241-UX-302 Catch Tank, 241-UX-302	CT	**
242-B-151	No other names known	DB	N/A
242-T-151	242-T-151 Diversion Box	DB	N/A

*DST/SST boundary point; Component(s) shared by both systems

**Considered DST component(s) only

***DST/Other Facility boundary point; Component(s) shared by both systems

N/A Considered SST and/or other facility component(s) only

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT

Table 6 Equipment List DST/SST Boundary

Site Name	Other Site Names Used	Site Type	DST/SST Boundary
242-TA-R1	242-TA Receiver TK Vault, 242-TA Receiver Tank Vault, Z Waste, Receiver Tank TK-R1	RV	N/A
244-A DCRT	244-A Double-Contained Receiver Tank, 244-A Receiver Tank, 244-A RT, 244-A TK/SMP	RT	**
244-AR	244-AR Vault	Vault	*Line V-718/817 NT-15 to 241-AR-151
244-BX DCRT	244-BX Double-Contained Receiver Tank, 244-BX Receiver Tank, 244-BX RT, 244-BX-TK/SMP, 244-BX Receiver Vault	RT	*From DCRT line 223, nozzle F to TK-241-B-106, and TK-B-105. *From DCRT Line 227/nozzle G to TK-241-B-111. *From DCRT Line 231/nozzle H to Tanks TK-241-B-104, TK-241-B-107, TK-241-B-110 *From DCRT Line SN 214/215 to TK-241-BX 111 *From DCRT Line SN 214 to TK-241-BX 112 *From DCRT SN 217 to TK-241-BX 107 *From DCRT SN 208/209 to TK-241-BY 104 *From SN-207/nozzle R to 241-BY-103 *From SN-208/nozzle C to 241-BY-104 *From SN-215/nozzle A to 241-BX-111 *From SN-217/nozzle E to 241-BX-107
244-S DCRT	244-S Double-Contained Receiver Tank, 244-S Receiver Tank, 244-S RT, 244-S Catch Station, 244-S-TK/SMP	RT	**
244-TX DCRT	244-TX Double-Contained Receiver Tank, 244-TX Receiver Tank, 244-TX RT, 244-TX Receiver Vessel, 244-TX-TK/SMP	RT	*From nozzle O at DCRT through line V-402 to nozzle U9 at 241-TX-152 DB *From nozzle P at DCRT through line V-406 to nozzle U10 at 241-TX-152 DB
272-AW Operations Building	No other names known	Drain	**
6241	6241 Vent Station	VS	**
6241	6241 Diversion Box	DB	**

*DST/SST boundary point; Component(s) shared by both systems

**Considered DST component(s) only

***DST/Other Facility boundary point; Component(s) shared by both systems

N/A Considered SST and/or other facility component(s) only

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 7 Service Pits, Flush Pits, Seal Pots, and Back Flow Preventers

Farm/ Location	Service Pits/Buildings	Seal Pots	Flush Pits	DST/SST Boundary
AN	241-AN-273		1; 241-AN located between VP AN-A and AN-B	BFP-101 is a boundary point between the DST and DST system and raw water supply. All components between the BFP and the DST are part of the DST system. All components between the BFP and the raw water supply are non-DST.
AP	241-AP-801 Building	1	1; located between the 241-AP-801 SB and the AP VP	BFP-101 is the boundary point between the DST system & the raw water supply. It supplies water to hose bibs throughout the AP farm. BFP-102 supplies water to a house bib that supplies water to the flush pit. All components between the BFP and the raw water supply are non-DST components.
AW	271-AW-801	1	1; 241-AW located between AW-A & AW-B VP	BFP-201 is a boundary point between the DST system and raw water supply. All components between the BFP and the DST system are DST components. All components between the BFP and the raw water supply are non-DST components.
AY/AZ		1		SW-BFP-150 is a boundary point between the DST and DST system and raw water supply. All components between the BFP and the DST system are DST components. All components between the BFP and the raw water supply are non-DST components.
AX	AX-80 Building 241-AX Service Pit	1	2; AX-A & AX-B (FP)	BFP is located at the AX-80 building. Raw water supplied to A and AX Farms and to DST construction activities. All components between the BFP and the DST system are DST components. All components between the BFP and the raw water supply are non-DST components.
SY	Service Pit (SY/SP)		SY-A (FP)	SY-A-RW-BFP-101 BFP number one is located in the SY/SP-RW-ENCL-101 BFP cabinet. BFP number two is located in flush pit SY-A (SY-A-RW-BFP-201). Both are considered a boundary point between the DST system and the raw water supply.
204-AR	204-AR		2; 241-A-A & 241-A-B	BFP-1 located in the chemical addition line is a boundary point between the DST system and raw water supply. BFP-2 located in the raw water line that supplies rinse water to the tanker trailer. This protects the raw water supply from radioactive contamination. It is also considered a boundary point between the DST system and the raw water supply.

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 8 DST System Line Numbers

Farm Locations	Line Number	End Point A	End Point B
A	4001/T029	241-A-B, R-12	202-A, T029
A	4004/G341/4029/V 029	241-A-A, L-12	202-A (PUREX)
A	D008	241-A-151, U-25	202-A
A	D020	241-A-151, U-19	202-A
A	D040	241-A-151, U-27	202-A
A	D070	241-A-151, U-26	202-A
A	D149	241-A-151, U-18	202-A
A	D186	241-A-151, U-5	202-A
A	DR300	207-A	241-A-350
A	DR301	A-350 Catch tank	Clean out box # A-4
A	DR302	A-350 Catch tank	Clean out box # A-2
A	DR307	241-A-A/A-B	241-A-350
A	DR310	241-A-B	241-A-350
A	DR311	241-A-A, DRAIN	241-A-350, C
A	E006	241-A-151, U-24	202-A
A	E167	241-A-151, U-23	202-A
A	F100	241-A-417, 22	241-AX-501, U-1, U-2
A	F241	241-A-151, U-21	202-A
A	F274	241-A-151, U-9	202-A, F-18
A	F377	241-A-151, U-14	202-A
A	F429	241-A-151, U-13	202-A
A	F361	241-F503	216-A-08
A	F562	241-F503	241-A-417
A	F719	241-A-151, U-20	202-A
A	F791	241-A-151, U-8	202-A
A	G057	241-A-151, U-17	202-A
A	G180	241-A-151, U-11	202-A
A	LIQW-702	204-AR	241-A-A, L-11
A	M044	241-A-151, U-10	202-A
A	M045	241-A-151, U-22	202-A
A	PW-481/SN-234	241-A-350	242-A, 14
A	R165	241-A-151, U-12	202-A
A	R345	241-A-151, U-15	202-A, R-8
A	SL-104	241-A-A	241-A-B
A	SL-105	241-A-B, R-5	241-A-03D, A
A	SL-107	241-A-A	241-A-101, 01H
A	SL-113	242-A, 16	241-A-B, R-3
A	SL-114	242-A, 17	241-A-A, L-3
A	SLL-3160	244-A	6241-V
A	SN-200/213	241-A-B, R-1	241-AX-B, R-1
A	SN-201/214	241-A-A, L-1	241-AX-A, L-1
A	SN-204	241-A-A, L-19	241-A-B, R-19
A	SN-215	241-A-A, L-16	244-A, P-7
A	SN-216	241-A-B, R-16	244-A, P-9

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 8 DST System Line Numbers

Farm Locations	Line Number	End Point A	End Point B
A	SN-219	241-A-B, R-2	241-AW-B, R-2
A	SN-232	244-A, P-3	241-ER-153, 3
A	SN-233	244-A, P-4	241-ER-153, 4 FAILED
A	SN-234	244-A, P-2	241-ER-153, 5
A	SN-650	241-A-B, R-15	241-AP-102
A	SNL-3150	244-A	6241-V
A	U-039	241-A-151, U-6	202-A
A	U-136	241-A-151, U-7	202-A
A	V001	241-A-151, U-3	SPARE
A	V002	241-A-151, U-2	SPARE
A	V003	241-A-151, U-1	SPARE
A	V021	241-A-151, L-25	241-AW-A, L-12
A	V022	241-A-151, L-24	241-AW-B, R-12
A	V023	241-A-151, L-23	241-AW-B, R-11
A	V027	241-A-151, U-4	241-A-302A
A	V028	241-A-151	241-A-302A
A	V029	241-A-151, UC	241-A-151, UD
A	V030	241-A-151, UB	241-A-151, UE
A	V031	241-A-151, UA	241-A-151, UF
AN	AN FLUSH PIT #4	241-AN-A, L17	241-AN-B, R-17
AN	DR364	241-AN FLUSH PIT	241-AN-101, RISER-10A
AN	DR368/369	241-AN-A/B	241-AN-101, RISER-16A
AN	PW-461	241-AN-01C, B	241-AN-01A, F
AN	PW-462	241-AN-02C, B	241-AN-02A, F
AN	PW-463	241-AN-03C, B	241-AN-03A, F
AN	PW-464	241-AN-04C, B	241-AN-04A, F
AN	PW-465	241-AN-05C, B	241-AN-05A, F
AN	PW-466	241-AN-06C, B	241-AN-06A, F
AN	PW-467	241-AN-07C, B	241-AN-07A, F
AN	PW-471	241-AN-01B, A	241-AN-01A, E
AN	PW-472	241-AN-02B, A	241-AN-02A, E
AN	PW-473	241-AN-03B, A	241-AN-03A, E
AN	PW-474	241-AN-04B, A	241-AN-04A, E
AN	PW-475	241-AN-05B, A	241-AN-05A, E
AN	PW-476	241-AN-06B, A	241-AN-06A, E
AN	PW-477	241-AN-07B, A	241-AN-07A, E
AN	SL-160	241-AZ-02A, U-12	241-AN-B, R-3
AN	SL-161	241-AN-B, R-5	241-AN-01A, B

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 8 DST System Line Numbers

Farm Locations	Line Number	End Point A	End Point B
AN	SL-162	241-AN-B, R-7	241-AN-02A, B
AN	SL-163	241-AN-B, R-9	241-AN-03A, B
AN	SL-164	241-AN-A, L-5	241-AN-04A, B
AN	SL-165	241-AN-A, L-7	241-AN-05A, B
AN	SL-166	241-AN-A, L-9	241-AN-06A, B
AN	SL-167	241-AN-A, L-3	241-AN-07A, B
AN	SL-168	241-AN-A, L-18	241-AN-B, R-18
AN	SN-260	241-AZ-02B, U-7	241-AN-B, R-2
AN	SN-261	241-AN-B, R-15	241-AN-01A, A
AN	SN-262	241-AN-B, R-16	241-AN-02A, A
AN	SN-263	241-AN-B, R-14	241-AN-03A, A
AN	SN-264	241-AN-A, L-15	241-AN-04A, A
AN	SN-265	241-AN-A, L-16	241-AN-05A, A
AN	SN-266	241-AN-A, L-14	241-AN-06A, A
AN	SN-267	241-AN-A, L-1	241-AN-07A, A
AN	SN-268	241-AN-A, L-19	241-AN-B, R-19
AN	SN-630	241-AN-B	241-AZ-02A
AP	AP FLUSH WATER	241-AP FLUSH PIT	241-AP VP, 25
AP	DR712	241-AP, 30	241-AP-03D
AP	DR713	241-AP	241-AP-03D
AP	DR714/715	241-AP-103, RISER-24	AP FLUSH PIT
AP	PW-102	241-AP-02D,D	DILUTION WATER
AP	PW-104	241-AP-04D,D	DILUTION WATER
AP	PW-811	241-AP-01B,A	241-AP-01A,C
AP	PW-812	241-AP-02B	241-AP-02A, C
AP	PW-813	241-AP-03B	241-AP-03A, C
AP	PW-814	241-AP-04B	241-AP-04A, C
AP	PW-815	241-AP-05B	241-AP-05A, C
AP	PW-816	241-AP-06B	241-AP-06A, C
AP	PW-817	241-AP-07B	241-AP-07A, C
AP	PW-818	241-AP-08B	241-AP-08A, C
AP	PW-823	241-AP-03C	241-AP-03A, D
AP	PW-825	241-AP-05C	241-AP-05A, D
AP	SL-509	241-AP, 1	241-AW-B, R-4
AP	SL-510	241-AP, 2	241-AW-A, L-4
AP	SL-511	241-AP, 11	241-AP-01A, B
AP	SL-512	241-AP, 10	241-AP-02A, A
AP	SL-513	241-AP, 12	241-AP-03A, B
AP	SL-514	241-AP, 9	241-AP-04A, A
AP	SL-515	241-AP, 5	241-AP-05A, B

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 8 DST System Line Numbers

Farm Locations	Line Number	End Point A	End Point B
AP	SL-516	241-AP, 8	241-AP-06A, B
AP	SL-517	241-AP, 6	241-AP-07A, B
AP	SL-518	241-AP, 7	241-AP-08A, B
AP	SN-609	241-AP, 14	241-AW-02A, V
AP	SN-610	241-AP, 13	241-AW-02A, U
AP	SN-611	241-AP, 18	241-AP-01A, A
AP	SN-612	241-AP, 19	241-AP-02A, B
AP	SN-613	241-AP, 17	241-AP-03A, A
AP	SN-614	241-AP, 20	241-AP-04A, B
AP	SN-615	241-AP, 24	241-AP-05A, A
AP	SN-616	241-AP, 21	241-AP-06A, A
AP	SN-617	241-AP, 23	241-AP-07A, A
AP	SN-618	241-AP, 22	241-AP-08A, A
AP	SN-621	241-AP-02D, E	243-G1, E-18 (GROUT)
AP	SN-622	241-AP-02D, A	241-AP-02A, K
AP	SN-623	241-AP-02D	241-AP-04D
AP	SN-624	241-AP-04D	241-AP-04A
AR	V714	241-AR-151, 1	241-AX-155, 10
AR	V716	241-AR-151, 9	244-AR-1, T-8
AR	V717	244-AR, T-9	241-AR-151
AR	V718/V817	241-AR-151, 10	244-AR-3, T-15
AR	V720	241-AR-151, 4	241-AY-02D, U-5
AW	D361/D369	241-AW-A, -B	241-AW-02D, F
AW	DR334	242-A	241-AW-02D
AW	DR335	242-A	241-AW-02D
AW	DR338	242-A EVAP	DR334
AW	DR343	242-A	241-AW-02D
AW	DR361	241-AW-02D	241-AW-A
AW	DR362	241-AW-102,RISER10A	241-AW FLUSH PIT
AW	DR371	241-AW SERVICE PIT	241-AW-102,RISER-10A
AW	DR374	241-AW-02D, A	272-AW
AW	FLUSH	241-AW-B, R17	241-AW FLUSH PIT
AW	FLUSH	241-AW-A, L17	241-AW FLUSH PIT
AW	FLUSH	241-AW-02E,C	241-AW FLUSH PIT
AW	PW-461	241-AW-01C, B	241-AW-01A, F
AW	PW-462	241-AW-02C, B	241-AW-02A, F
AW	PW-463	241-AW-03C, B	241-AW-03A, F

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 8 DST System Line Numbers

Farm Locations	Line Number	End Point A	End Point B
AW	PW-464	241-AW-04C, B	241-AW-04A, F
AW	PW-465	241-AW-05C, B	241-AW-05A, F
AW	PW-466	241-AW-06B, B	241-AW-06A, F
AW	PW-471	241-AW-01B, A	241-AW-01A, E
AW	PW-472	241-AW-02B, A	241-AW-02A, E
AW	PW-473	241-AW-03B, A	241-AW-03A, E
AW	PW-474	241-AW-04B, A	241-AW-04A, E
AW	PW-475	241-AW-05B, A	241-AW-05A, E
AW	PW-476	241-AW-06C, A	241-AW-06A, E
AW	SL-161	241-AW-A, L-5	241-AW-01A, B
AW	SL-162	241-AW-B, R-5	241-AW-02A, B
AW	SL-163	241-AW-A, L-7	241-AW-03A, B
AW	SL-164	241-AW-B, R-7	241-AW-04A, B
AW	SL-165	241-AW-A, L-9	241-AW-05A, B
AW	SL-166	241-AW-B, R-9	241-AW-06A, B
AW	SL-167	241-AW-B, R-3	242-A, 19
AW	SL-168	242-A, 18	241-AW-A, L-3
AW	SL-169	241-AW-B, R-18	241-AW-A, L-18
AW	SN-220	241-AW-A, L-2	241-A-A, L-2
AW	SN-261	241-AW-A, L-16	241-AW-01A, A
AW	SN-262	241-AW-B, R-16	241-AW-02A, A
AW	SN-263	241-AW-A, L-14	241-AW-03A, A
AW	SN-264	241-AW-B, R-14	241-AW-04A, A
AW	SN-265	241-AW-A, L-15	241-AW-05A, A
AW	SN-266	241-AW-B, R-15	241-AW-06A, A
AW	SN-267	241-AW-A, L-1	241-AW-02A, J
AW	SN-268	241-AW-B, R-1	241-AW-02A, H
AW	SN-269	242-A, 13	241-AW-02E, B
AW	SN-270	242-A, 34	241-AW-02E, A
AW	SN-271	241-AW-A, L-19	241-AW-B, R-19
AW	SN-272	241-AW-02A, K	241-AW-02E, D
AW	SN-274	241-AW-B, R-20	241-AW-04A, L
AW	SPARE	241-AW-02D, C	CAPPED
AW	SPARE	241-AW-02D, B	CAPPED
AW	SPARE	241-AW-02D, D	CAPPED
AX	4001	241-AX-151, D. CELL	CAPPED
AX	4017/4003/T037	241-AX-152	PUREX
AX	4020	241-AX-151	241-AY-151
AX	4022	241-AX-152-CT	241-AX-151
AX	4501/A108	241-AX-152, N-8	241-AY-101
AX	4503/C108	241-AX-153, N-3	241-AY-101
AX	4505/B106/B1061	241-AX-152, N-6	241-AY-102
AX	4506/C106	241-AX-155, N-2	241-AY-102

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 8 DST System Line Numbers

Farm Locations	Line Number	End Point A	End Point B
AX	4507/A105	241-AX-152,5	CAPPED
AX	4508/B105	241-AX-152,5	241-AZ-101
AX	4509/4507	241-AX-153,5	241-AZ-101
AX	4511/B107	241-AX-152,7	241-AZ-102
AX	4512/4600	241-AX-155,4	241-AZ-102
AX	4522/4526/4027	Leak Det. Pit 101A	241-AX-152, B
AX	4522/4526/4027	Leak Det. Pit 101B	241-AX-152, B
AX	4523/4526/4027	Leak Det. Pit 102A	241-AX-152, B
AX	DR0030	241-AX-501	241-A-417
AX	DR325	C0B-AX-20	TK 241-AX-104
AX	DR326/336	AX SEAL POT	241-AX-A, AX-B
AX	DR330	COB-AX-24	TK 241-AX-104
AX	DR370	AX SEAL POT	241-AY-102, RISER-24
AX	F101	241-AX-501, L-1	241-AY-501
AX	F102	241-AX-501, L-2	241-AX-152, B
AX	SL-100	241-AX-B	241-A-B
AX	SL-101	241-AX-A	241-A-A
AX	SL-108	241-AX-A	241-AX-101, 01A
AX	SL-109	241-AX-B, R-7	241-AX-02A, A
AX	SL-110	241-AX-A	241-AX-B
AX	SL-500	241-AX-A, L-5	241-AZ-02A, U-10
AX	SL-502	241-AX-B, R-16	241-AY-102-02D, U-3
AX	SN-247	241-AX-B, R-11	241-AN-01E, A
AX	SN-400	241-AX-501, U-3	241-AX-B, R-12
AX	SN-634	241-AX-B	241-A-B
AX	V713	241-AX-135	241-AX-152
AX	V719	241-AX-135, 13	241-AZ-152, U-4
AY	4502/B1061/B1061	241-AY-101	241-AX-152, 8
AY	4504/A1061/A1061	241-AY-102	241-AX-152, 6
AY	4513	241-AY-01A, U-6	241-AY-151, 1
AY	4531	241-AY-01F	241-AY-01A
AY	4532	241-AY-02P	241-AY-02A
AY	4608/4530	241-AY-01A, U-3	241-AZ-152, U-3
AY	D501	241-AY-01A, U-4	241-AY-152, L-2
AY	D502	241-AY-02A, U-4	241-AY-152, L-1
AY	DR0050	241-AY-501	DR0029
AY	DR0051	241-AY-101 LDP	241-AY-101
AY	DR0054	241-AY-102 LDP	241-AY-102
AY	DR0069	241-AY-102	241-AY-02D

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 8 DST System Line Numbers			
Farm Locations	Line Number	End Point A	End Point B
AY	DR0070	241-AY-151	DR-0069
AY	DR0074	241-AY-152	241-AY-102
AY	DR700	COB-AY-1	241-AY-02D, U-4
AY	F501	241-AY-501	241-AY-101, R-8
AY	F502	241-AY-501	241-AY-102, R-8
AY	F503/F601	241-AY-501	241-AZ-102, R-8
AY	F504	241-AY-501	241-AZ-101, R-8
AY	F560 A	241-AY-101	241-AZ-154
AY	F560 B	241-AY-102	241-AZ-154
AY	PW-4528	241-AY-01F	241-AY-101 Riser 30A
AY	PW-4529	241-AY-02F	241-AY-102 Riser 30A
AY	PW-4531	241-AY-01F	241-AY-01A
AY	PW-4532	241-AY-02F	241-AY-02A
AY	S501	241-AY-01B, U-1	241-AY-152, U6
AY	S502	241-AY-01C, U-1	241-AY-152, U5
AY	S503	241-AY-01D, U-1	CAPPED
AY	S504	241-AY-01E, U-1	241-AY-152, U8
AY	S505	241-AY-02B, U-1	CAPPED
AY	S506	241-AY-0AC, U-1	241-AY-152, U4
AY	S507	241-AY-02D, U-1	241-AY-152, U3
AY	S508	241-AY-02E, U-1	241-AY-152, U1
AY	SL-503	241-AY-02A, U-3	241-AY-02D, U-2
AY	SL-504	241-AY-02A, U-8	241-AY-01D, U-2
AY	SL-505	241-AY-01A, U-12	241-AY-01D, U-3
AZ	4601	241-AZ-102	CAPPED
AZ	4602	241-AZ-151	241-AZ-101, LEAK PIT
AZ	4603	241-AZ-101/102	241-AZ-151
AZ	4604	241-AZ-102 LDP	241-AZ-151
AZ	4605	241-AZ-152, L-1	241-AZ-151, U-1
AZ	4606	241-AZ-02A, U-5	241-AZ-152, L-2
AZ	4607	241-AZ-01A, U-5	241-AZ-152, L-3
AZ	4609	241-AZ-02F, U-1	241-AZ-02A, U-3
AZ	4610	241-AZ-02F, U-2	241-AZ-102
AZ	4611T,4612T,4611, 4612	241-AZ-102	CAPPED
AZ	4621	241-AZ-01A, U-7	241-AZ-01C, U-4
AZ	4622/3654	241-AZ-01A, U-2	241-AZ-01B, U-3

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 8 DST System Line Numbers

Farm Locations	Line Number	End Point A	End Point B
AZ	4626	241-AZ-101	CAPPED
AZ	D601/D505	241-AZ-152, U2	241-AY-152, L-3
AZ	D602	241-AZ-152, L-4	241-AZ-02A, U-4
AZ	D603	241-AZ-01A, U-4	241-AZ-152, L-5
AZ	D604	241-AZ-02C, U4	241-AZ-02A, U-7
AZ	DR0077	241-AZ-02 LDP	241-AZ-102
AZ	DR0078	241-AZ-101/102 ELDP	DR0077
AZ	DR0079	DR0077	241-AZ-154
AZ	DR0080	241-AZ-02F	241-AZ-102
AZ	DR0081	241-AZ-151	CAPPED
AZ	DR0084	241-AZ-152 DRAIN	241-AZ-151
AZ	DR0087	TEST RISER	101/102 ELDP
AZ	DR0088	4507/4508 ENC DRAIN	101/102 ELDP
AZ	DR0090	241-AZ-101 LDP	241-AZ-101
AZ	DR0091	241-AZ-01F DRAIN	241-AZ-101
AZ	F602	241-AZ-101 & 241- AZ-102	241-AZ-154
AZ	F603	241-AZ-102	F602
AZ	F604	241-AZ-154	241-F505
AZ	PW-401	CAUSTIC AZ	241-AN-A, L-21
AZ	PW-402	CAUSTIC AZ	241-AN-B, R-20
AZ	PW-403	CAUSTIC AZ	AZ-02A, U-14
AZ	PW-4609	241-AZ-02F	241-AZ-02A
AZ	PW-4610	241-AZ-02F	241-AZ-102
AZ	PW-4620	241-AZ-01F, U-1	241-AZ-101,RISER.3
AZ	PW-4623	241-AZ-01A, U-3	241-AZ-01F, U-2
AZ	S317/S601	241-AZ-152,U-1	241-AY-151,U-9
AZ	S602/S604/S606	241-AZ-152, L-6, L-8, L-10	BLANKED
AZ	S603	241-AZ-152, L-7	241-AZ-02B, U-4
AZ	S605	241-AZ-152, L-9	241-AZ-02C, U-1
AZ	S607	241-AZ-02A	241-AZ-02B,U-3
AZ	S608	241-AZ-152, L-11	241-AZ-01B, U-1
AZ	S609	241-AZ-152, L-12	241-AZ-01C, U-1
AZ	S610	241-AZ-152, L13	CAPPED
AZ	SL-160	241-AZ-02A, U12	241-AN-B, R-3
AZ	SL-301	241-AZ-01A, U-10	241-AZ-02A, U-11
AZ	SN-260	241-AZ-02B, U-7	241-AN-B, R-2
AZ	SN-600	241-AZ-02B, U-5	241-AX-A, L-16
AZ	SN-601	241-AZ-02B, U-6	241-AZ-01C, U-6
AZ	SN-632	241-AZ-02A	241-AX-B
AZ	V-719	241-AZ-01A, U-7	241-AZ-01C, U-4
AZ	V-719	241-AZ-152, U-4	241-AX-155, U-13

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 8 DST System Line Numbers

Farm Locations	Line Number	End Point A	End Point B
BY	SN-208	241-BY-101	244-BX
C	SL-100	241-C-06A, 9	241-AY-102
C	SN-200	241-C-06C, 6	241-AY-02A, U-10
ER	DR311	241-ER-152	241-ER-311
ER	DRAIN FROM 241-ER-153 TO 244-A	241-ER-153	244-A DCRT
ER	SLL-3160	6241-V	6241-A
ER	SN-9808	241-ER-151, L-5	244-BX, N
ER	SNL-3150	6241-V	6241-A
ER	V224	241-ER-311	241-ER-151, U-1
ER	V226	241-ER-151	241-ER-311
ER	V226-1	241-ER-151	241-ER-311
ER	V228	241-ER-151, U-10	241-ER-153, 2
ER	V229	241-ER-151, U-11	241-ER-152, 3
ER	V244 CR	241-ER-153, 9	244-CR-3, U-13
ER	V244 ER	241-ER-152, 2	241-ER-153, 1
ER	V360	241-ER-151	241-UX-154
ER	V361	241-ER-151	241-UX-154
ER	V362	241-ER-151	241-UX-154
ER	V363	241-ER-151	241-UX-154
ER	V364	241-ER-151	241-UX-154
ER	V366	241-ER-151	241-UX-154
S	SNL-5350	244-S	222-S
S	SNL-5351	244-S	222-S
S	V455	241-S-151	241-U-151
S	V510	241-S-151	241-S-304
S	V520	241-S-151	244-S
S	V522	241-S-151	244-S
S	V542	241-S-151	241-S-304
S	V560	241-S-151	244-S
SY	DR376	241-SY-A & B	241-SY-02D
SY	PW-475	241-SY-02A	241-SY-02B
SY	PW-476	241-SY-02A	241-SY-02C
SY	PW-477	241-SY-01B	241-SY-01A
SY	PW-478	241-SY-01C	241-SY-01A
SY	PW-479	241-SY-03B	241-SY-03A
SY	PW-480	241-SY-03C	241-SY-03A
SY	SL-175/SL-138	241-SY-B	242-S
SY	SL-176	241-SY-B, R-3	241-S-152, 8
SY	SL-177	241-SY-A, L-9	241-SY-02A, B
SY	SL-178	241-SY-B, R-9	241-SY-01A, B
SY	SL-179	241-SY-B, R-5	241-SY-03A, B
SY	SL-180	241-SY-A, L-18	241-SY-B, R-18
SY	SNL-3150	6241-A	241-SY-A

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 8 DST System Line Numbers

Farm Locations	Line Number	End Point A	End Point B
SY	SLL-3160	6241-A	241-SY-B
SY	SN-275	241-SY-A, L-1	241-S-A, L-20
SY	SN-276	241-SY-B, R-1	241-SY-B, R-20
SY	SN-277	241-SY-A, L-16	241-SY-02A, A
SY	SN-278	241-SY-B, R-16	241-SY-01A, A
SY	SN-279	241-SY-B, R-14	241-SY-03A, A
SY	SN-280	241-SY-B, R-19	241-SY-A, L-19
SY	SN-281	241-SY-A	241-S-152, 10
SY	SN-283	242-S, 13	241-SY-02E, D-11
SY	SN-284	242-S	241-SY-02E
SY	SN-285	241-SY-A, L-11	241-SY-02A, J
SY	SN-286	241-SY-B, R-11	241-SY-02A, H
SY	SN-287	241-SY-02E, D	241-SY-02A, K
SY	V561	241-SY-B	244-S
SY	V562	241-SY-A	244-S
TX	DRAIN LINE	241-TX-154	241-TX-302C
TX	HSW-202	244-TX	PFP
TX	HSW-203	244-TX	PFP
TX	SN-202/203	PFP	244-TX
TX	V387	241-TX-152	241-TX-154
TX	V402	244-TX	241-TX-152
TX	V406	244-TX	241-TX-152
TX	V408	244-TX	241-TX-152
TX	V739	241-TX-302C	241-TX-154
U	DRAIN LINE	241-U-152	241-U-301B
U	DRAIN LINE	241-U-151	241-U-301B
U	SL-107	241-U-111	241-U-C
U	SN-216/282	244-U-D	241-SY-B
U	V398	241-U-152	241-TX-152
U	V404	241-U-152	241-TX-152
U	V421/453	241-U-151	241-U-152
U	V422/V452	241-U-151	241-U-152
U	V456	241-U-151	244-S
U	V473	241-U-301B	241-U-252
UX	V503/4700	241-UX-154	241-S-151
UX	V505/4701	241-UX-154	241-S-151

DESCRIPTION OF TANKS AND OTHER ANCILLARY EQUIPMENT:

Table 9 New Lines In Valve Pits from Project Upgrades			
Farm	Line/Valve Pit	Endpoint A	Endpoint B
New Lines/valve pits from Project W-314 upgrades (DST) Construction Underway			
AY	SN-633	AY-101	AY-102
AZ	SN 631	AZ-101	AZ-102
AZ	SN 630	New AZ VP	AN-01A PP
AZ	SN 633	New AZ VP	AY-102
AZ	SN 637	New AZ VP	New AP VP
AZ	SN 632	New AZ VP	AZ-101
AN	SN 636	AN-104	New AP VP
AZ	SN 634	New AZ VP	New AP VP
AZ	DR-100	New AZ VP	AZ-101
AN	WT-SLL-3160 (Extension)	AN-104	Tie-in to 6241 A DB
AN	WT-SLL-3150 (Extension)	AN-101	Tie-in to 6241 A DB
A-A VP Bypass	SN-220 (Extension)	AW-A VP	204-AR Waste Unloading Facility via LIQW-702
New lines from Project W-211 upgrades (DST) Proposed			
AN	PW-401* (Ref dwg H-14-102451)	AN CSS**	AN-A Pit
AN	PW-402* (Ref dwg H-14-102451)	AN CSS**	AN-B pit
AZ	PW-403* (Ref dwg H-14-102971)	AN CSS**	AZ-02A pit
AZ	PW-405* (Ref dwg H-14-102971)	PW-403	AZ-01A pit
New lines from Project W-521 upgrades (DST) Proposed			
AP	Two New Lines	241-AP VP	New AP VP
AP	One New Line	241-AP-101	New AP VP
New valve pit from project W-521 upgrades (DST) Proposed			
AP	Four Waste Transfer Lines	SN-700, -701, -702, -703	Vitrification Plant
AP	214-AP-“New”	SN-637, -636, -634	AP-101
New lines from project W-320 upgrades(DST) Construction Complete			
AY	SN-200	AY-102	C-106
AY	SL-100	AY-102	C-106
New lines from project W-058 Construction Complete			
A	WT-SLL-3160	244-A LS	Tie-in to 6241-A DB
A	WT-SLL-3150	244-A LS	Tie-in to 6241-A DB
AN	WT-SLL-3160 (Extension)	AN-104	Tie-in to 6241 A DB
AN	WT-SLL-3150 (Extension)	AN-101	Tie-in to 6241 A DB

* These lines are for dilution/flush water and are non-radioactive service

** AN CSS is a new caustic supply system that will be located outside AN Farm and will provide dilution/flush water for waste retrieval and transfer

Table 10 Inventory of DST Lines from PUREX, 222-S, 242-A Evaporator & T-Plant			
PUREX	222-S (218-S Building)	242-A Evaporator	T-Plant
G212	5350	SL-168	V-730
G-057	5351	SL-167	V-732
D-149		SN-270	V-734
D-020		SN-269/235	V-735
F-719		DR 335	V-737
F-241		DR334	V-738
M-045		DR343	
E167			
E006			
D-088			
D-070			
D-040			
D-186			
U-039			
U-136			
F-791			
F-274			
M-044			
G-180			
R-165			
F-429			
F-377			
R-345			
T029(4001)			
G341			
4004			
4029			

¹Lines specified in this table become part of the DST as they exit the facility wall.

200 East Area Piping Flow Diagram

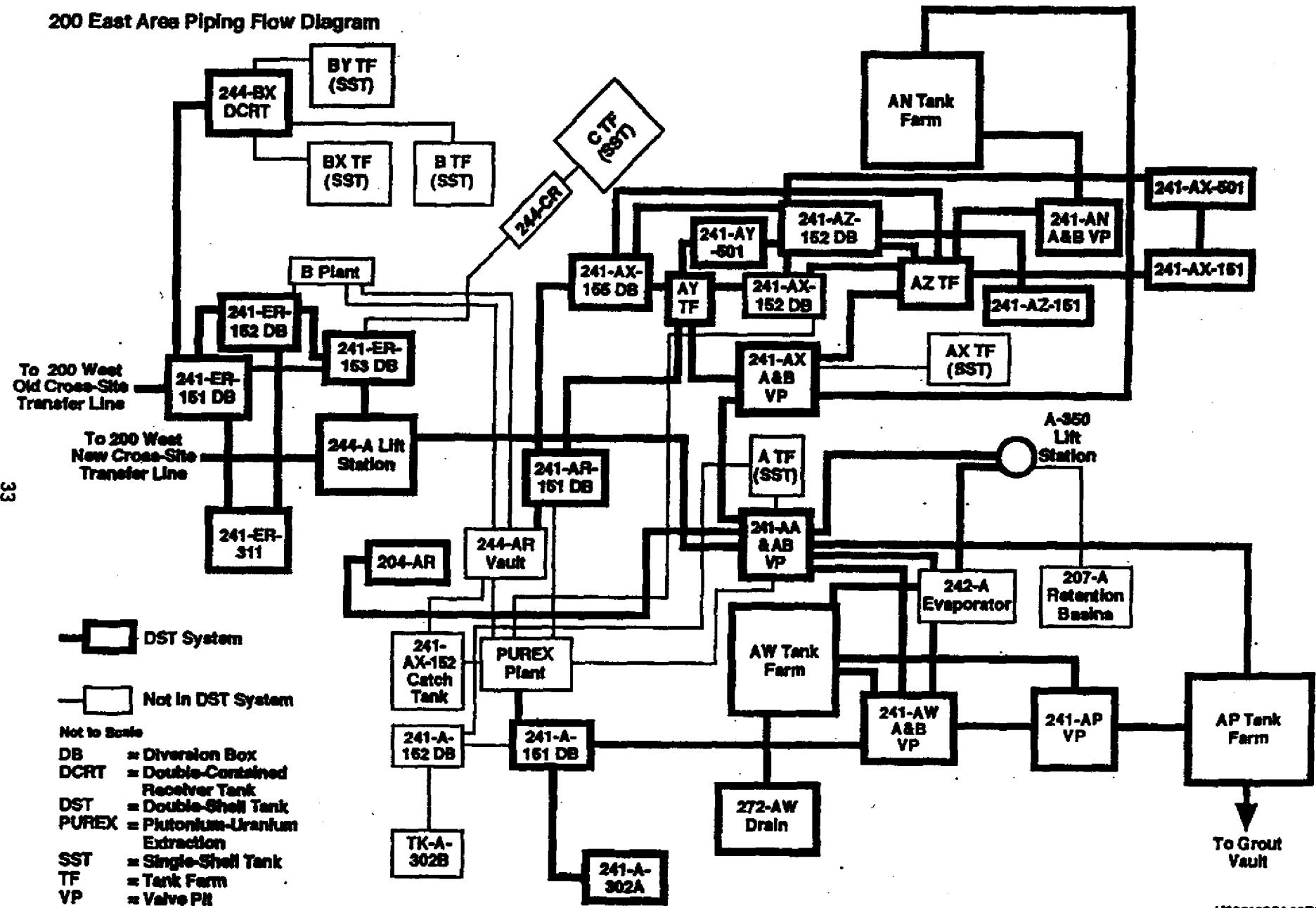


Figure 1

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200 West Area Piping Flow Diagram

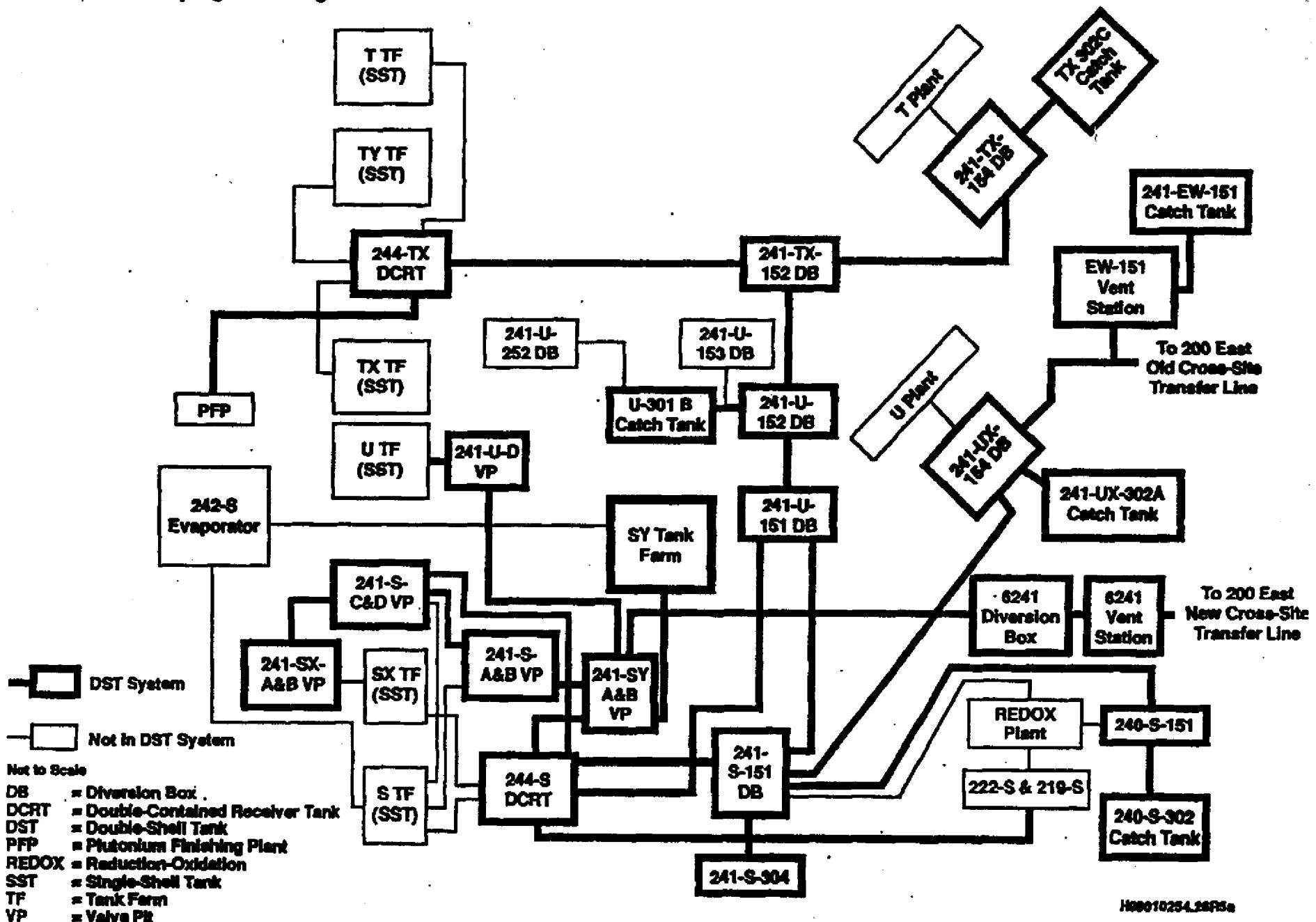


Figure 2

H00010254.28R5a